FIG. 1

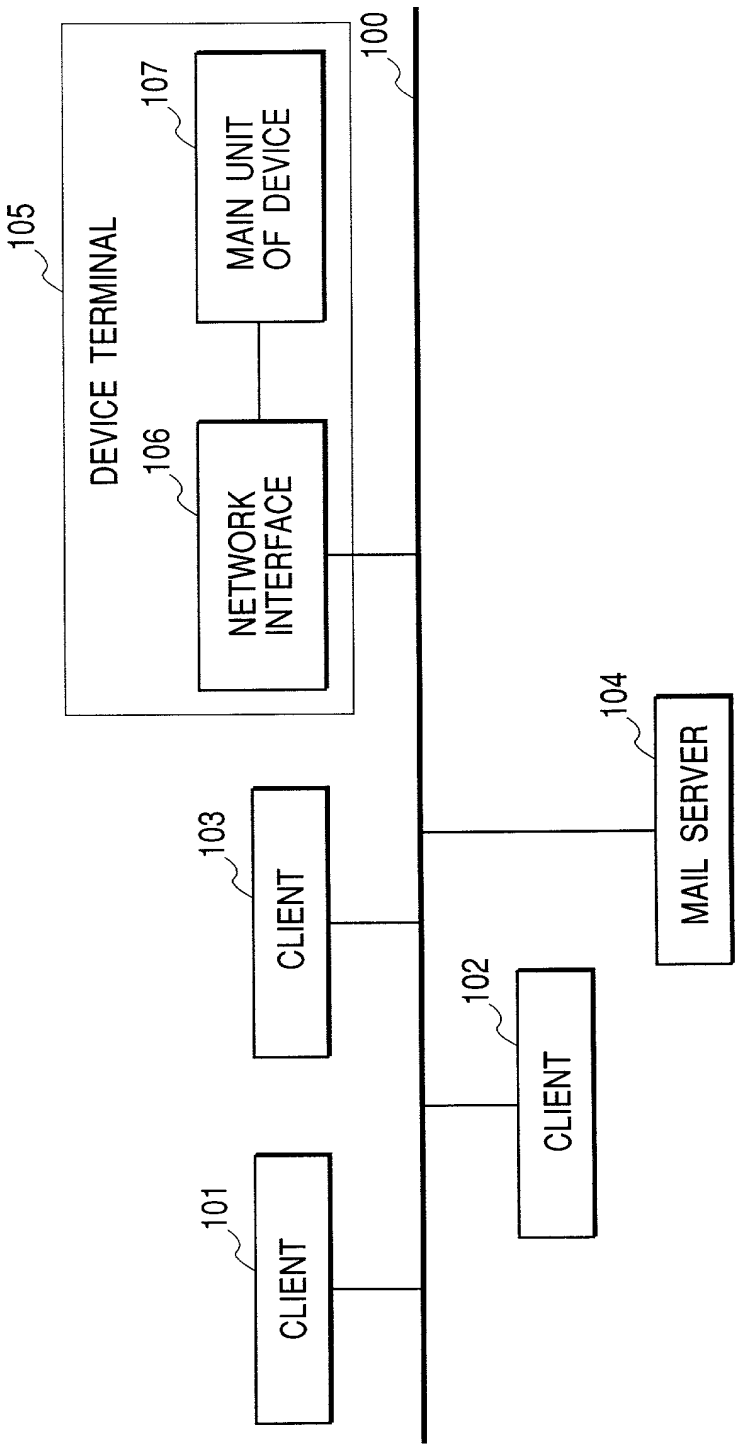

100
105
DEVICE TERMINAL
107
MAIN UNIT OF DEVICE
106
NETWORK INTERFACE
101
CLIENT
102
CLIENT
103
CLIENT
104
MAIL SERVER

FIG. 2

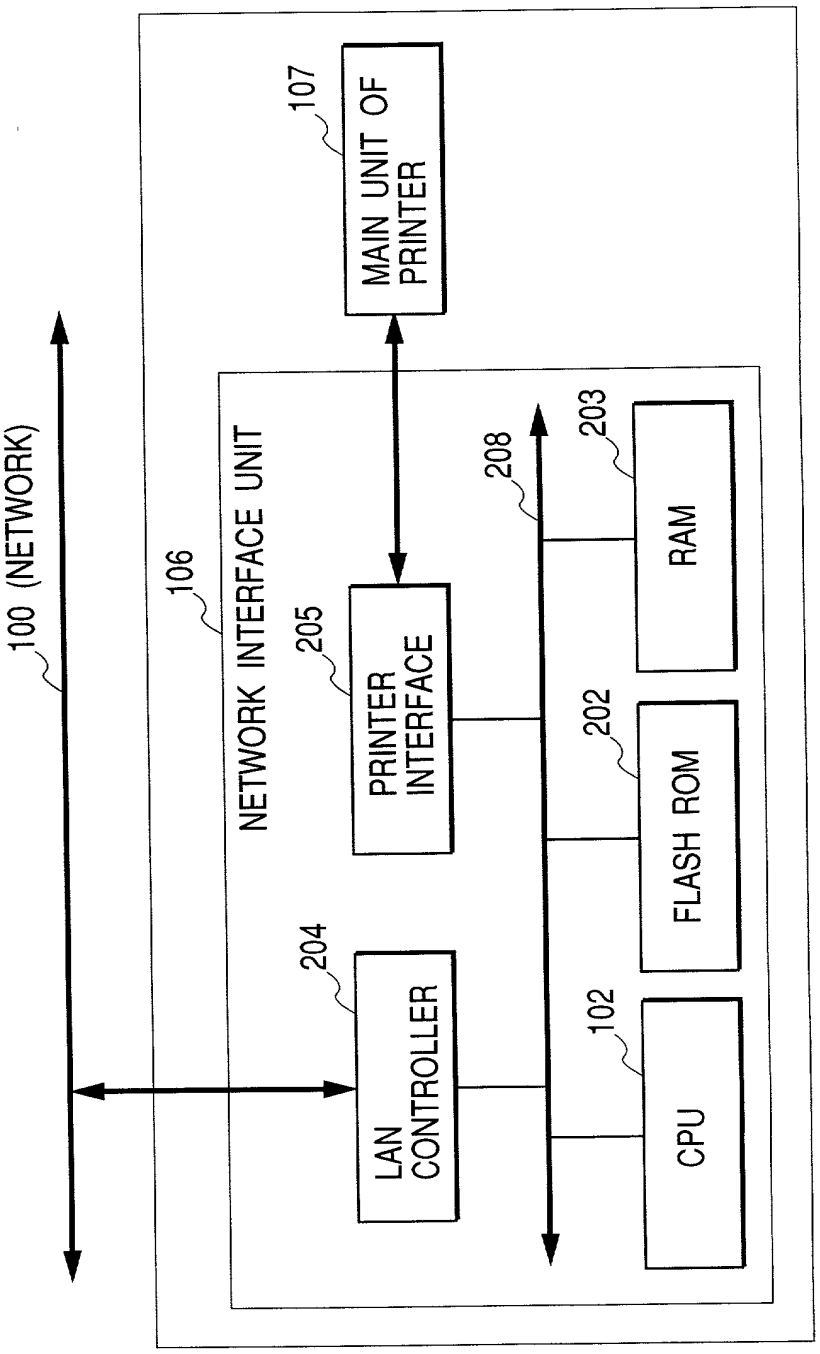

100 (NETWORK)
106
NETWORK INTERFACE UNIT
107
MAIN UNIT OF PRINTER
205
PRINTER INTERFACE
204
LAN CONTROLLER
208
203
RAM
202
FLASH ROM
102
CPU

FIG. 3

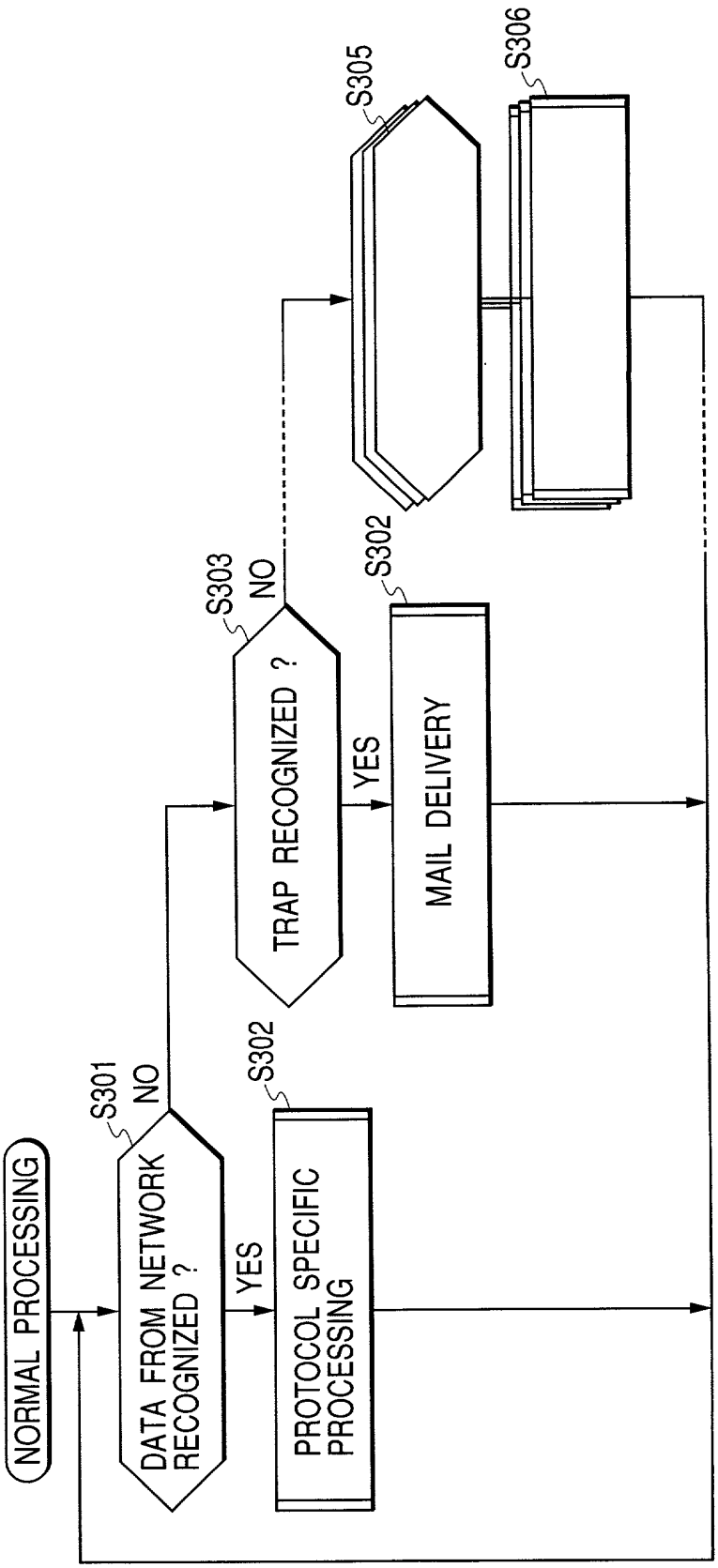

NORMAL PROCESSING
DATA FROM NETWORK RECOGNIZED ?
S301
NO
YES
PROTOCOL SPECIFIC PROCESSING
S302
TRAP RECOGNIZED ?
S303
NO
YES
MAIL DELIVERY
S302
S305
S306

FIG. 4

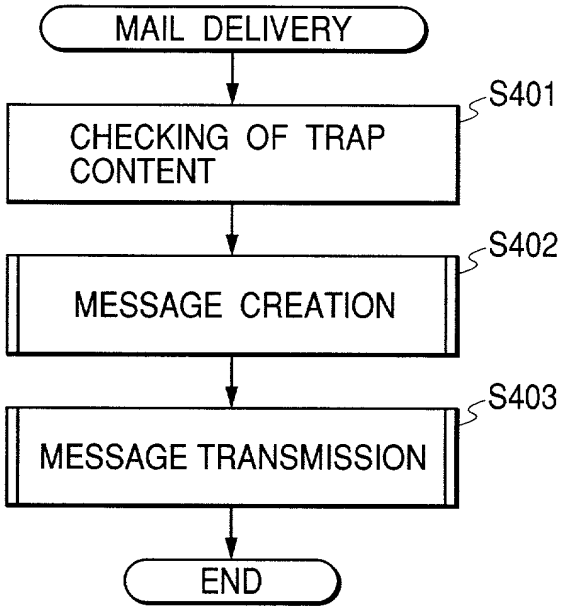

MAIL DELIVERY
S401
CHECKING OF TRAP CONTENT
S402
MESSAGE CREATION
S403
MESSAGE TRANSMISSION
END

FIG. 5

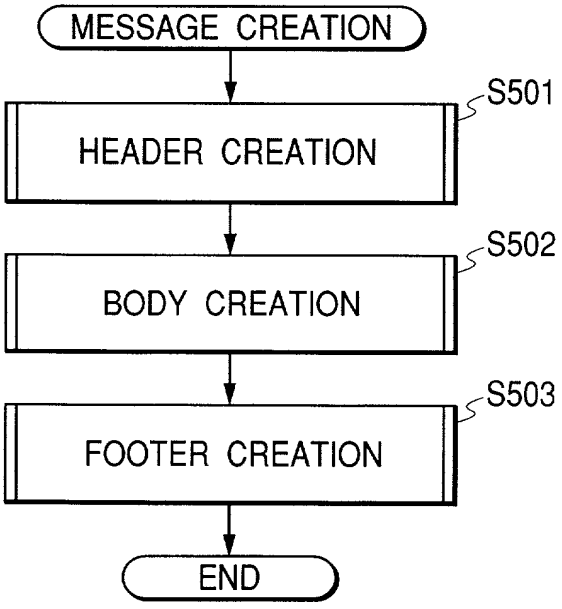

MESSAGE CREATION
S501
HEADER CREATION
S502
BODY CREATION
S503
FOOTER CREATION
END

FIG. 6

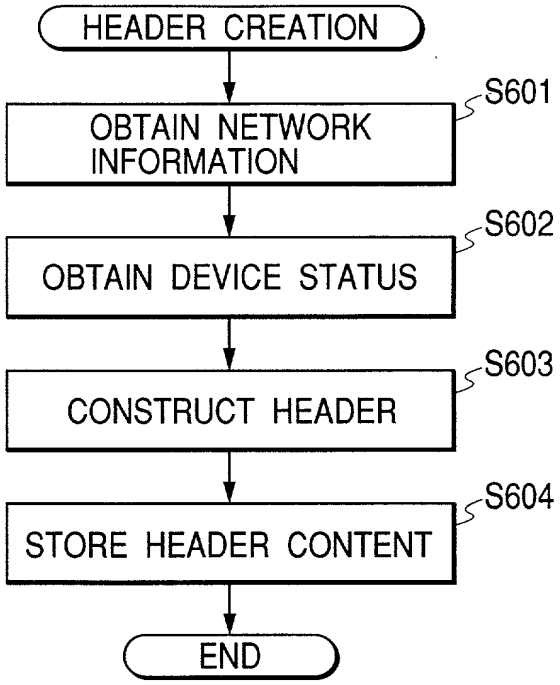

HEADER CREATION
OBTAIN NETWORK INFORMATION
S601
OBTAIN DEVICE STATUS
S602
CONSTRUCT HEADER
S603
STORE HEADER CONTENT
S604
END

FIG. 7

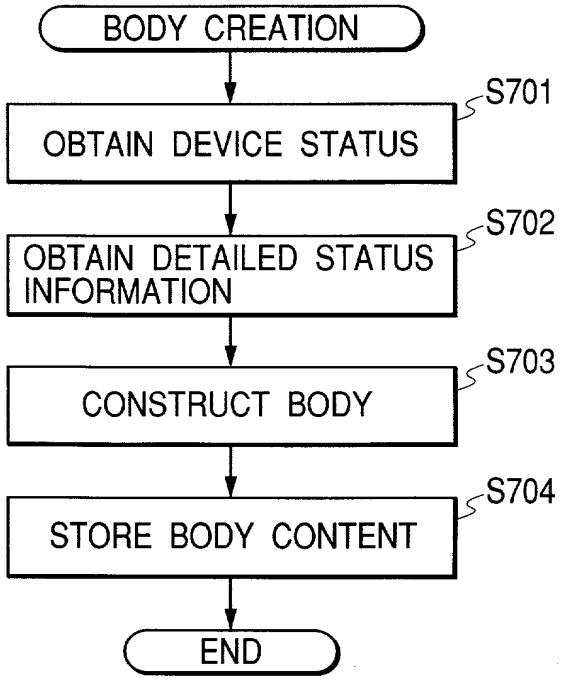

BODY CREATION
OBTAIN DEVICE STATUS
S701
OBTAIN DETAILED STATUS INFORMATION
S702
CONSTRUCT BODY
S703
STORE BODY CONTENT
S704
END

FIG. 8

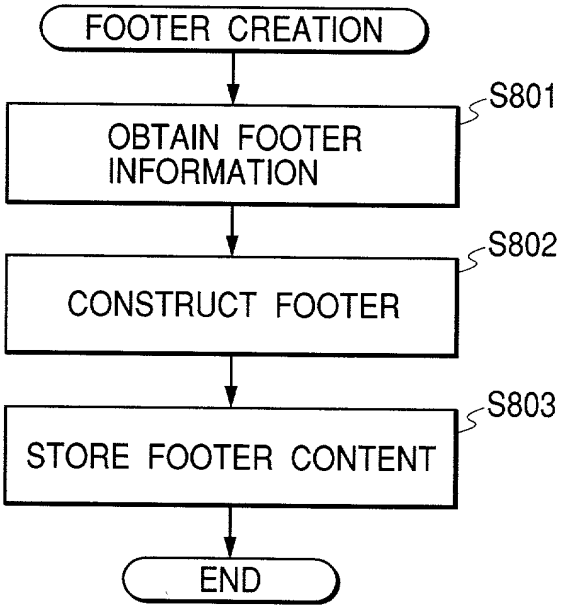

FOOTER CREATION
S801
OBTAIN FOOTER INFORMATION
S802
CONSTRUCT FOOTER
S803
STORE FOOTER CONTENT
END

FIG. 9

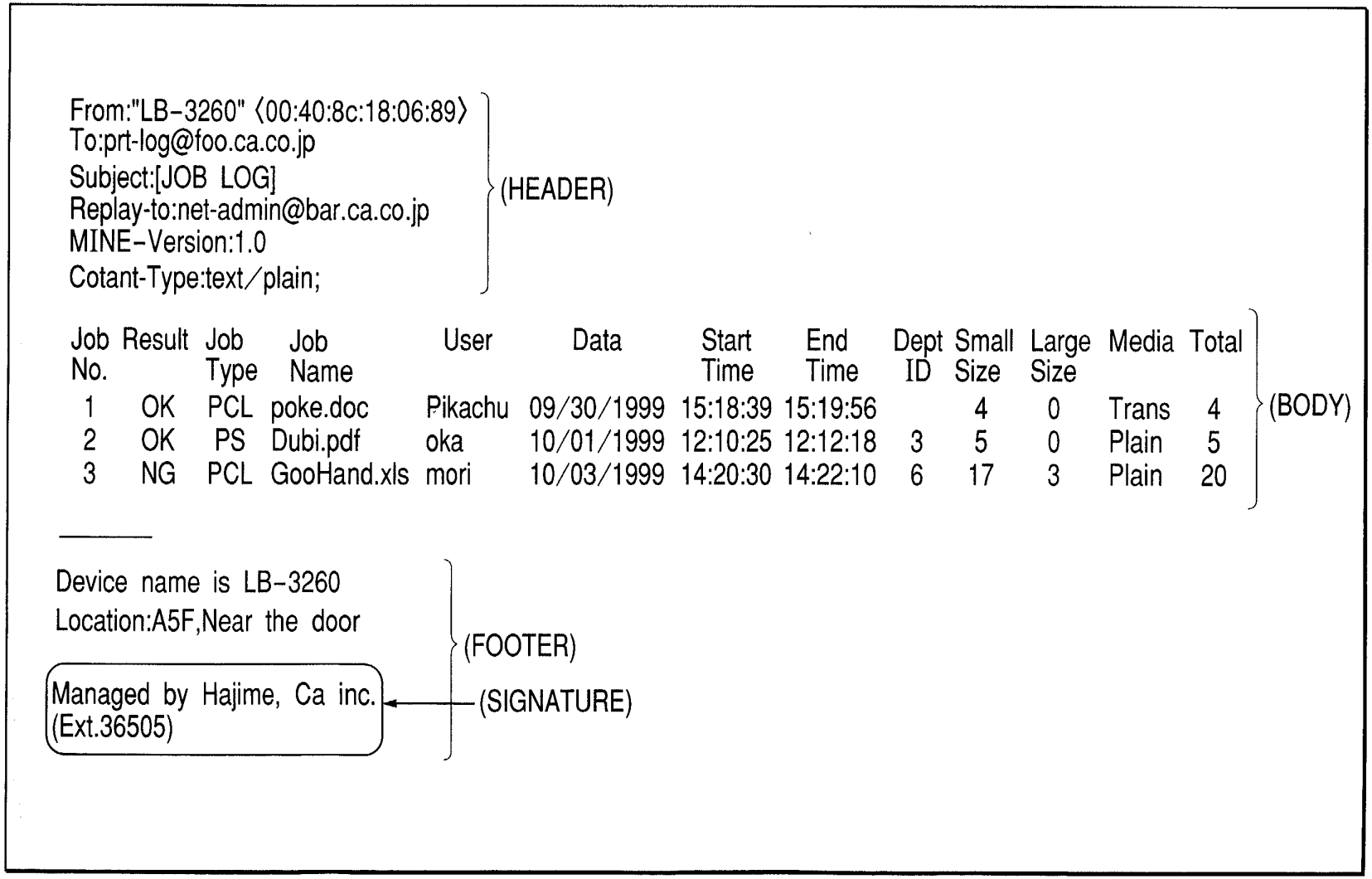

From:"LB-3260" 〈00:40:8c:18:06:89〉
To:prt-log@foo.ca.co.jp
Subject:[JOB LOG]
Replay-to:net-admin@bar.ca.co.jp
MINE-Version:1.0
Cotant-Type:text/plain;
(HEADER)
Job No. Result Job Type Job Name User Data Start Time End Time Dept ID Small Size Large Size Media Total
1 OK PCL poke.doc Pikachu 09/30/1999 15:18:39 15:19:56 4 0 Trans 4
2 OK PS Dubi.pdf oka 10/01/1999 12:10:25 12:12:18 3 5 0 Plain 5
3 NG PCL GooHand.xls mori 10/03/1999 14:20:30 14:22:10 6 17 3 Plain 20
(BODY)
Device name is LB-3260
Location:A5F,Near the door
(FOOTER)
Managed by Hajime, Ca inc.
(Ext.36505)
(SIGNATURE)

FIG. 10

From:"LB-3260" 〈00:00:85:18:06:89〉
To:prt-admin@foo.ca.co.jp
Subject:[ERROR LOG]
Replay-to:net admin@bar.ca.co.jp
MINE-Version:1.0
Cotant-Type:text/plain;charset=US-ASCII

Data	Time	E-Code	Sub-Code	Position
09/30/1999	15:18:39	E667	6F-61	PDL

Device name is LB-3260
Location:A5F,Near the door
Managed by Hajime, Ca inc.
(Ext.36505)

FIG. 11

From:"LB-3260" 〈00:00:85:18:06:89〉
To:prt-admin@foo.ca.co.jp
Subject:[Operator Call](44017)
Replay-to:net-admin@bar.ca.co.jp
MINE-Version:1.0
Cotant-Type:text/plain;charset=US-ASCII

Error Message: SORTER COVER OPEN
Detailed Information :7-bin sorter top or front cover is open.

Device name is LB-3260
Location:A5F,Near the door

Managed by Hajime, Ca inc.
(Ext.36505)

FIG. 12

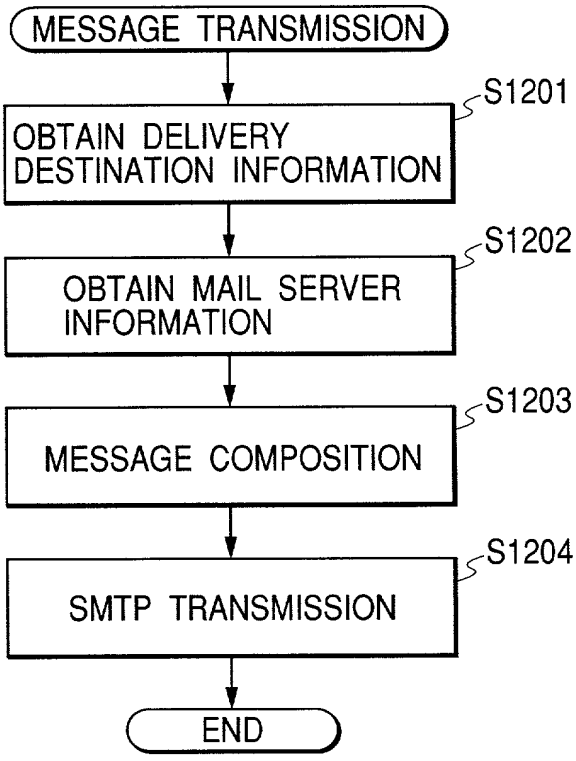

MESSAGE TRANSMISSION
S1201
OBTAIN DELIVERY DESTINATION INFORMATION
S1202
OBTAIN MAIL SERVER INFORMATION
S1203
MESSAGE COMPOSITION
S1204
SMTP TRANSMISSION
END

FIG. 13

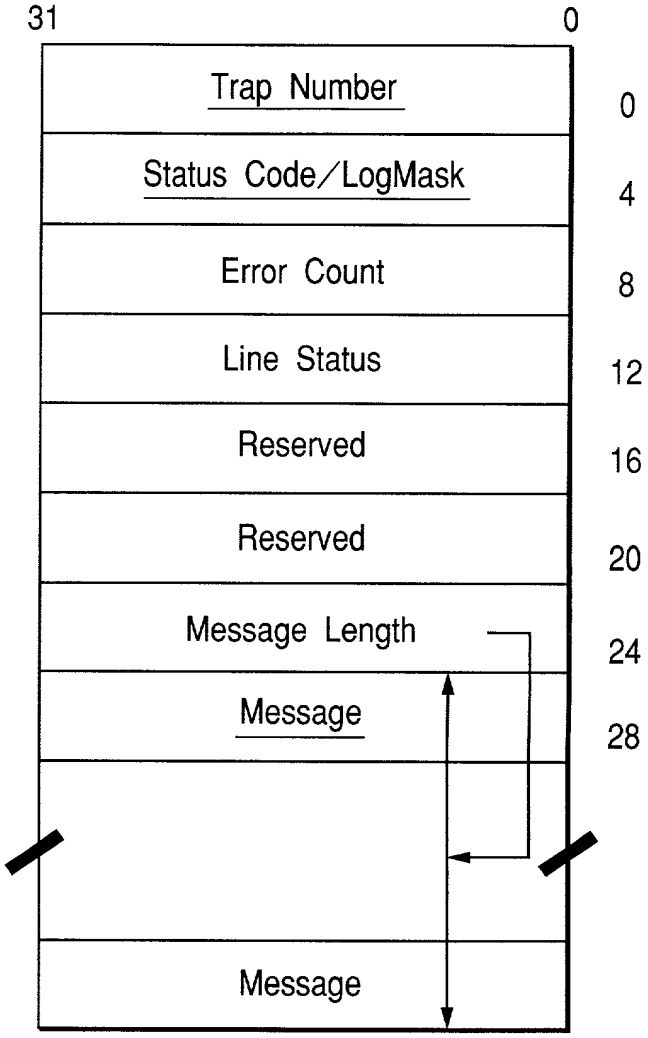


FIG. 14

Trap Number:

0×01	Status changed
0×02	Error Count changed
0×08	New Log recorded

LogMask:

0×01	Error Log
0×02	Alarm Log
0×04	Jam Log
0×08	Job Log

20TTO" E2E2hOOT

FIG. 15

Just Message	MEANING	ACTION	Status code	icon_value	err_image_path
WARMING UP	The printer is warming up.	The printer will be ready in a moment.	10020	1	" "
READY	The printer is online.	The printer is ready to print.	10000	0	" "
PRINTING...	Printing...	The printer is Printing.	10001	0	" "
PAUSED	The printer is offline.	Press the Go button on the printer to start Printing.	10003	1	" "
READY TONER LOW	Toner is low.	Replace the toner cartridge.	15000	2	"er_lbp_toner.gif "
PS OPTION ERROR	Option (DIMM) error.	DRAM An option RAM has diagnostic failed the startup diagnostic.Replace the option RAM.	30592	3	"er_lbp_general.gif "
TONER CART MISSING	No toner cartridge is installed.	Install the toner cartridge, and then press the Go button on the printer.	40500	3	"er_lbp_toner.gif "
E011 SERVICE CALL	A Service Call error occurred.	Turn off the printer. Wait 15 minutes before turning the printer on again.	50000	4	" "

FIG. 16

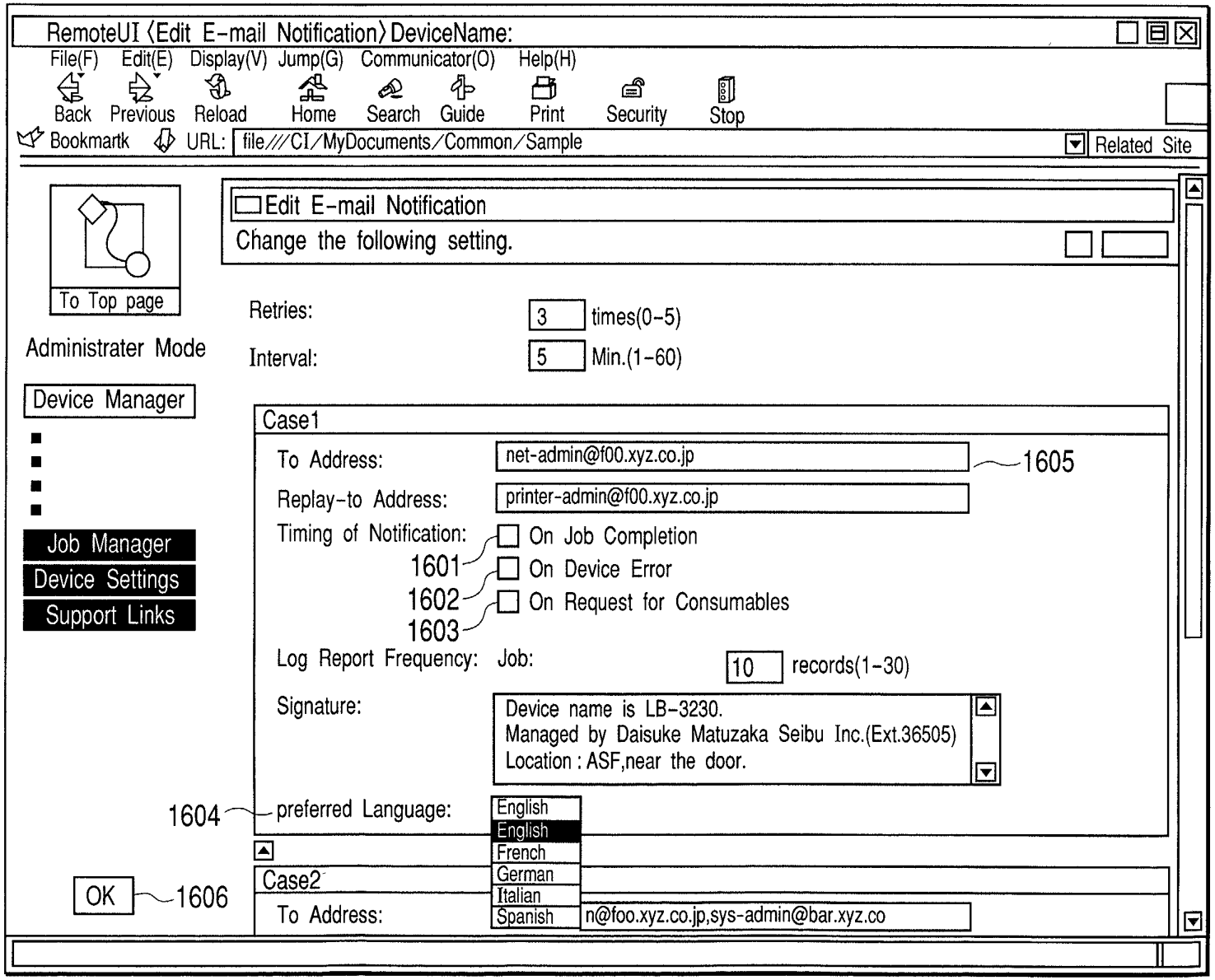

RemoteUI 〈Edit E-mail Notification〉 DeviceName:
File(F) Edit(E) Display(V) Jump(G) Communicator(O) Help(H)
Back Previous Reload Home Search Guide Print Security Stop
Bookmartk URL: file:///CI/MyDocuments/Common/Sample
Related Site
To Top page
Edit E-mail Notification
Change the following setting.
Retries: 3 times(0-5)
Interval: 5 Min.(1-60)
Administrater Mode
Device Manager
Job Manager
Device Settings
Support Links
Case1
To Address: net-admin@f00.xyz.co.jp
1605
Replay-to Address: printer-admin@f00.xyz.co.jp
Timing of Notification:
On Job Completion
1601
On Device Error
1602
On Request for Consumables
1603
Log Report Frequency: Job: 10 records(1-30)
Signature:
Device name is LB-3230.
Managed by Daisuke Matuzaka Seibu Inc.(Ext.36505)
Location : ASF,near the door.
1604
preferred Language:
English
English
French
German
Italian
Spanish
Case2
To Address:
n@foo.xyz.co.jp,sys-admin@bar.xyz.co
OK
1606

FIG. 17

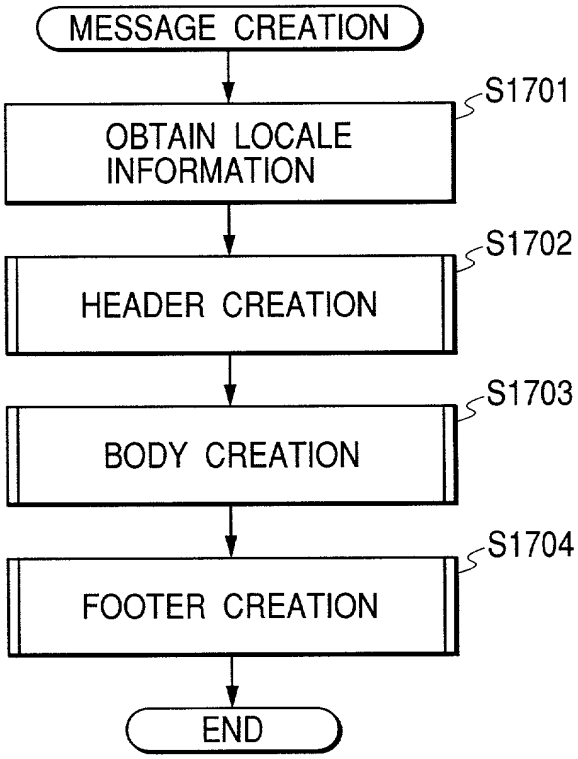

MESSAGE CREATION
S1701
OBTAIN LOCALE INFORMATION
S1702
HEADER CREATION
S1703
BODY CREATION
S1704
FOOTER CREATION
END

FIG. 18

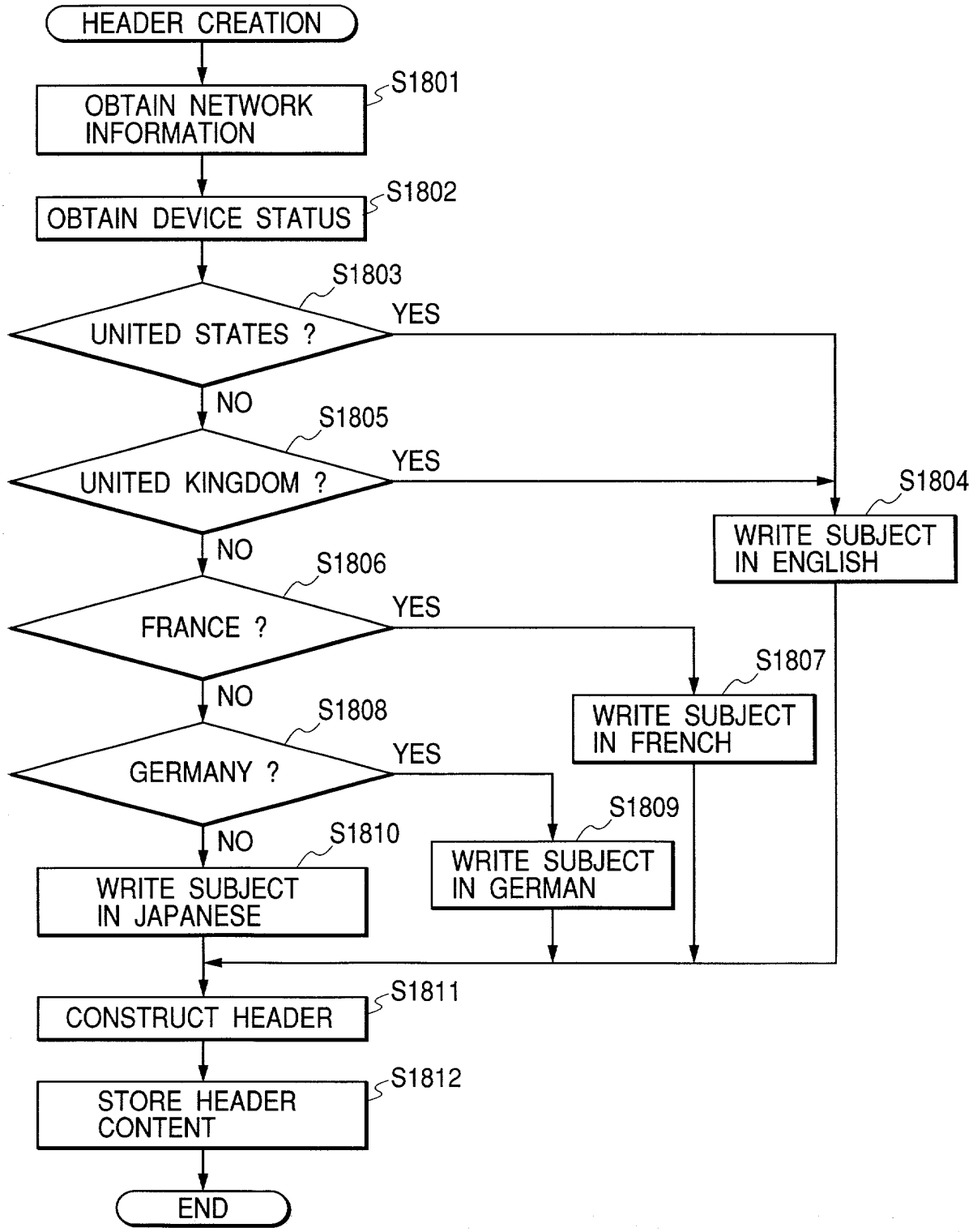

HEADER CREATION
OBTAIN NETWORK INFORMATION
S1801
OBTAIN DEVICE STATUS
S1802
S1803
UNITED STATES ?
YES
NO
S1805
UNITED KINGDOM ?
YES
S1804
WRITE SUBJECT IN ENGLISH
NO
S1806
FRANCE ?
YES
S1807
WRITE SUBJECT IN FRENCH
NO
S1808
GERMANY ?
YES
S1809
WRITE SUBJECT IN GERMAN
NO
S1810
WRITE SUBJECT IN JAPANESE
CONSTRUCT HEADER
S1811
STORE HEADER CONTENT
S1812
END

FIG. 19

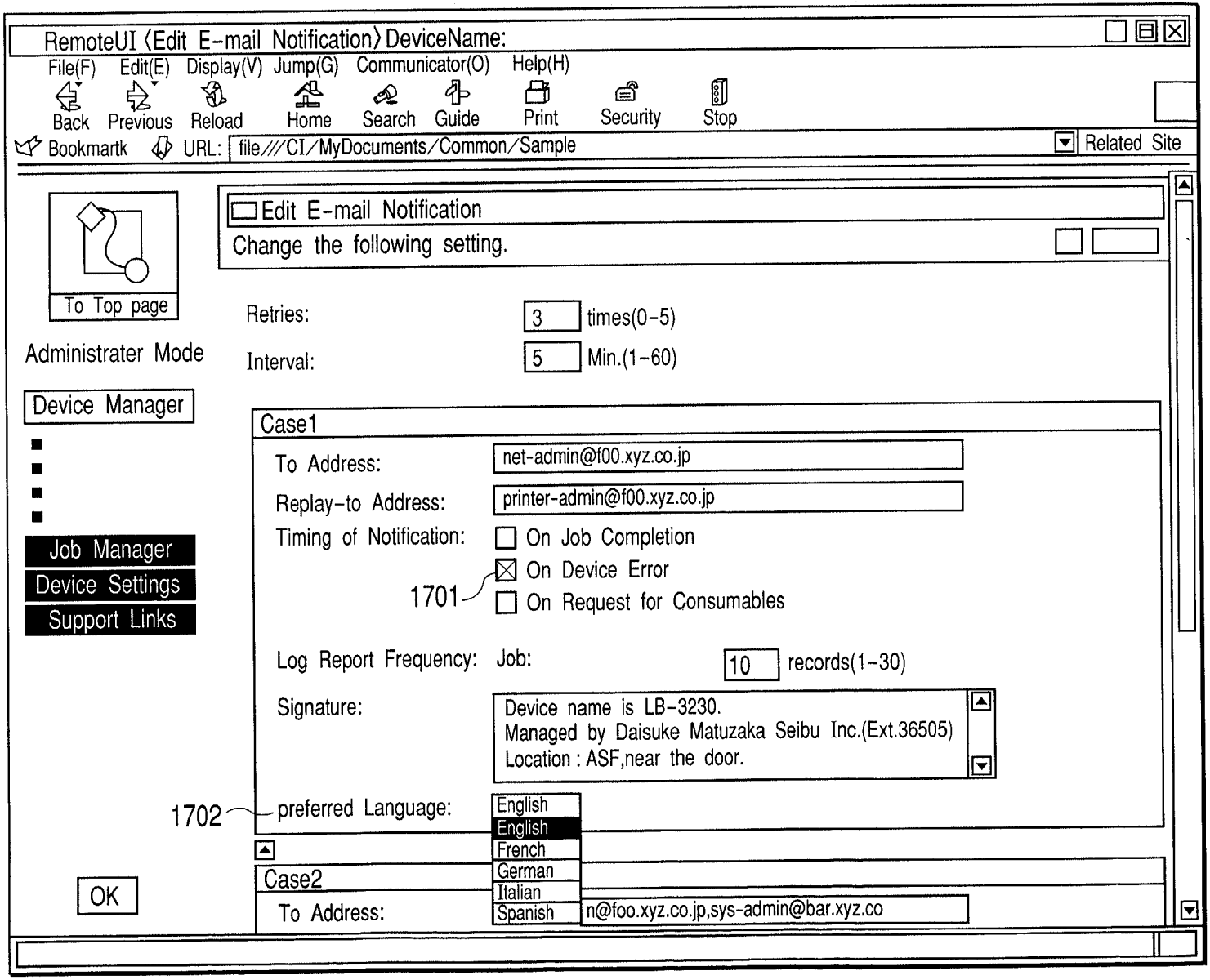

RemoteUI 〈Edit E-mail Notification〉 DeviceName:
File(F) Edit(E) Display(V) Jump(G) Communicator(O) Help(H)
Back Previous Reload Home Search Guide Print Security Stop
Bookmartk URL: file///CI/MyDocuments/Common/Sample
Related Site
To Top page
Edit E-mail Notification
Change the following setting.
Retries: 3 times(0-5)
Interval: 5 Min.(1-60)
Administrater Mode
Device Manager
Job Manager
Device Settings
Support Links
Case1
To Address: net-admin@f00.xyz.co.jp
Replay-to Address: printer-admin@f00.xyz.co.jp
Timing of Notification:
On Job Completion
On Device Error
On Request for Consumables
1701
Log Report Frequency: Job: 10 records(1-30)
Signature:
Device name is LB-3230.
Managed by Daisuke Matuzaka Seibu Inc.(Ext.36505)
Location : ASF,near the door.
1702
preferred Language:
English
English
French
German
Italian
Spanish
Case2
To Address: n@foo.xyz.co.jp,sys-admin@bar.xyz.co
OK

FIG. 20

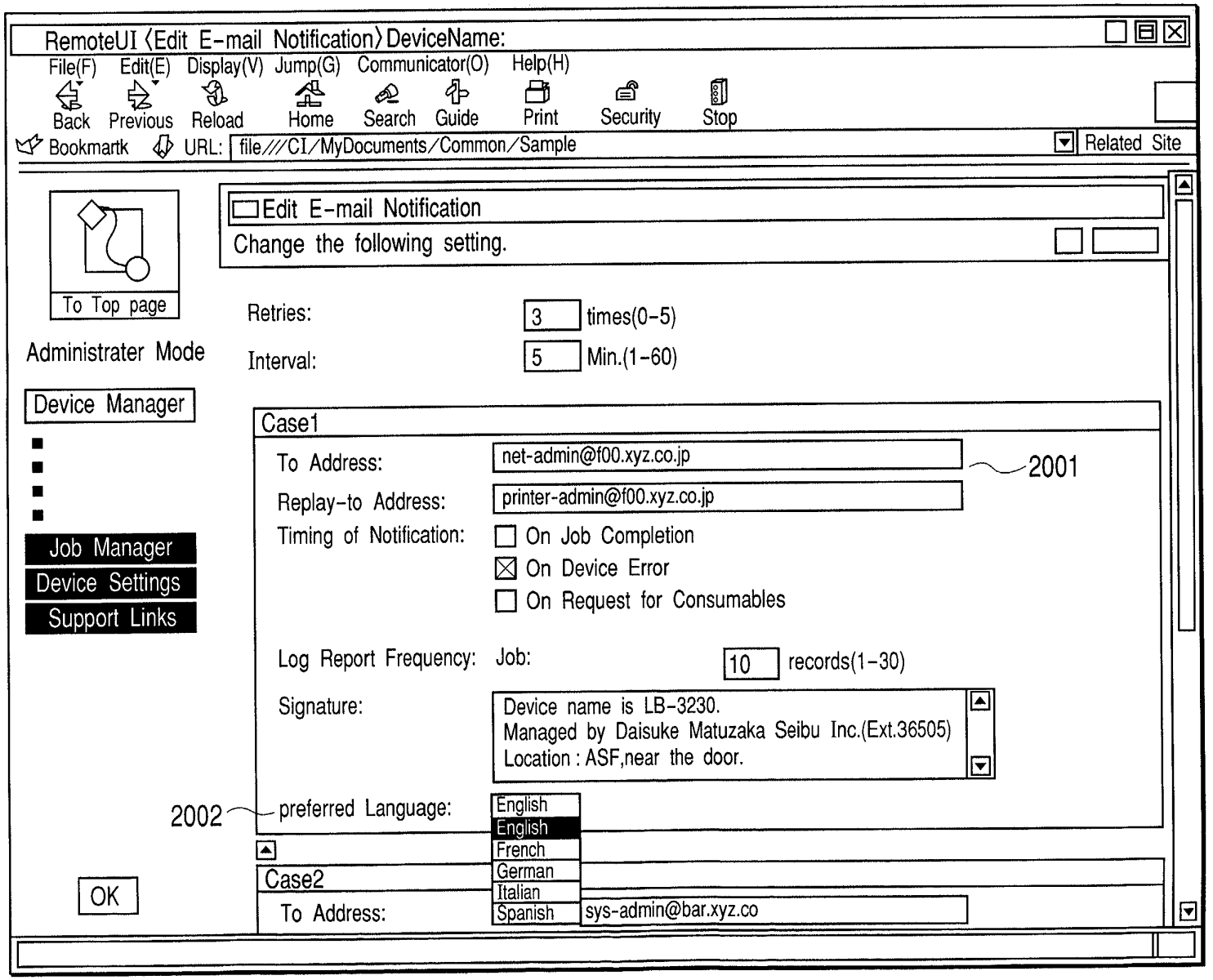

RemoteUI 〈Edit E-mail Notification〉 DeviceName:
File(F) Edit(E) Display(V) Jump(G) Communicator(O) Help(H)
Back Previous Reload Home Search Guide Print Security Stop
Bookmartk URL: file///CI/MyDocuments/Common/Sample
Related Site
To Top page
Edit E-mail Notification
Change the following setting.
Retries: 3 times(0-5)
Interval: 5 Min.(1-60)
Administrater Mode
Device Manager
Job Manager
Device Settings
Support Links
Case1
To Address: net-admin@f00.xyz.co.jp
2001
Replay-to Address: printer-admin@f00.xyz.co.jp
Timing of Notification:
On Job Completion
On Device Error
On Request for Consumables
Log Report Frequency: Job: 10 records(1-30)
Signature:
Device name is LB-3230.
Managed by Daisuke Matuzaka Seibu Inc.(Ext.36505)
Location : ASF,near the door.
2002
preferred Language:
English
English
French
German
Italian
Spanish
Case2
To Address: sys-admin@bar.xyz.co
OK

FIG. 21

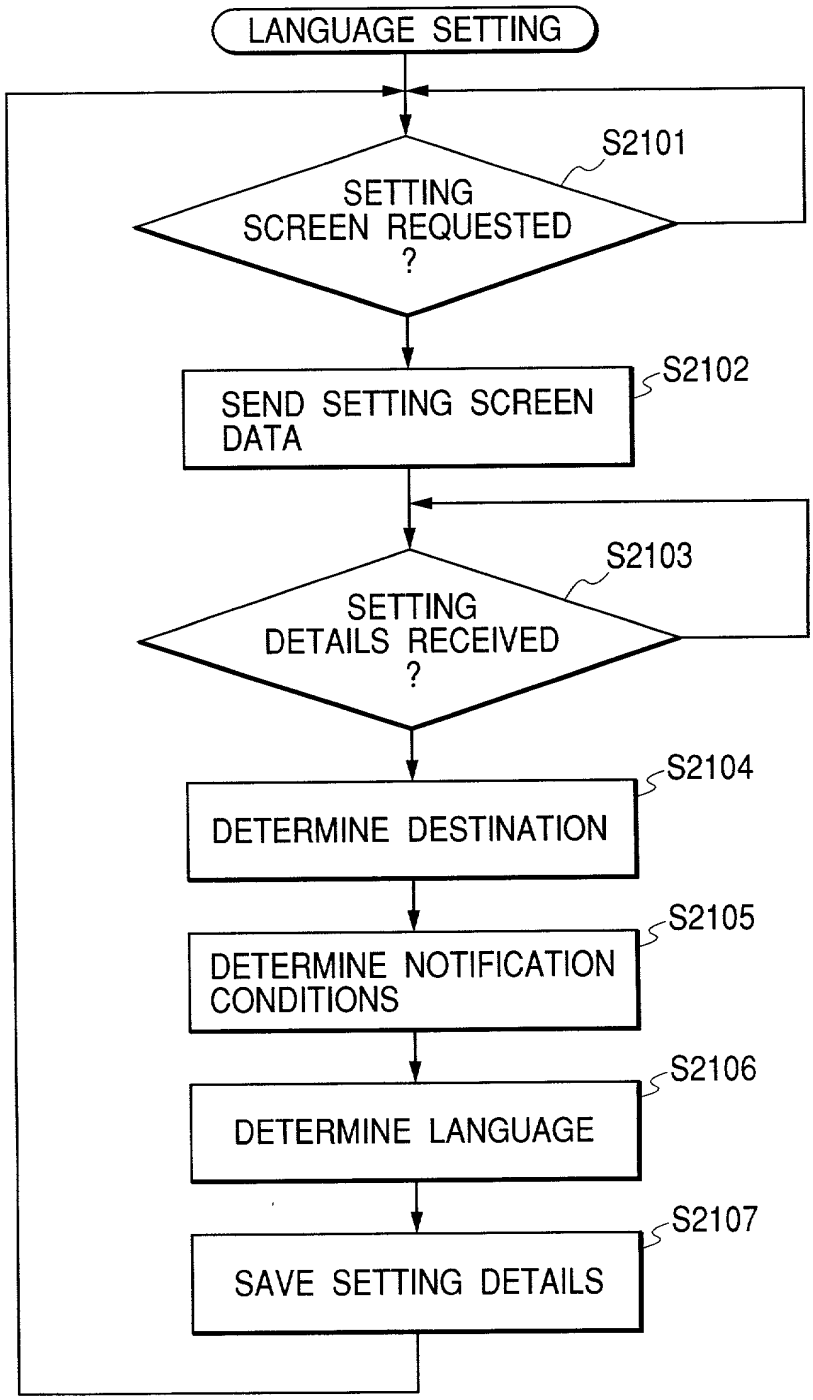

LANGUAGE SETTING
S2101
SETTING SCREEN REQUESTED ?
S2102
SEND SETTING SCREEN DATA
S2103
SETTING DETAILS RECEIVED ?
S2104
DETERMINE DESTINATION
S2105
DETERMINE NOTIFICATION CONDITIONS
S2106
DETERMINE LANGUAGE
S2107
SAVE SETTING DETAILS

FIG. 22

Case No	To Address	Replay-to Address	Timing of Notification	Preferred Language
Case 1	net-admin@f00.xyz.co.jp	printer-admin@f00.xyz.co.jp	On Device Error	English
Case 2	sys-admin@bar.xyz.co.jp	printer-admin@f00.xyz.co.jp	On Request for Consumables	French
Case 3	...	...	...	...
...	...	...	...	...

FIG. 23

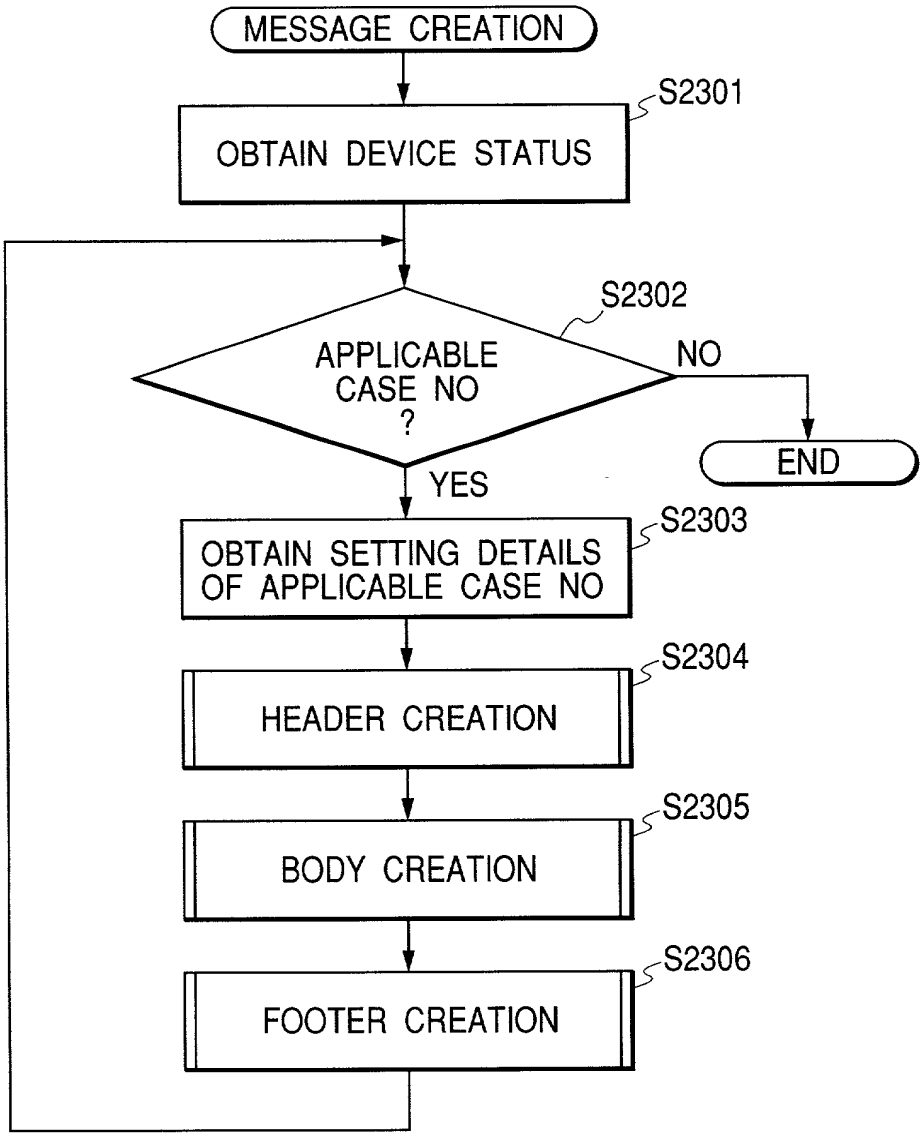

MESSAGE CREATION
S2301
OBTAIN DEVICE STATUS
S2302
APPLICABLE CASE NO ?
NO
END
YES
S2303
OBTAIN SETTING DETAILS OF APPLICABLE CASE NO
S2304
HEADER CREATION
S2305
BODY CREATION
S2306
FOOTER CREATION

FIG. 24

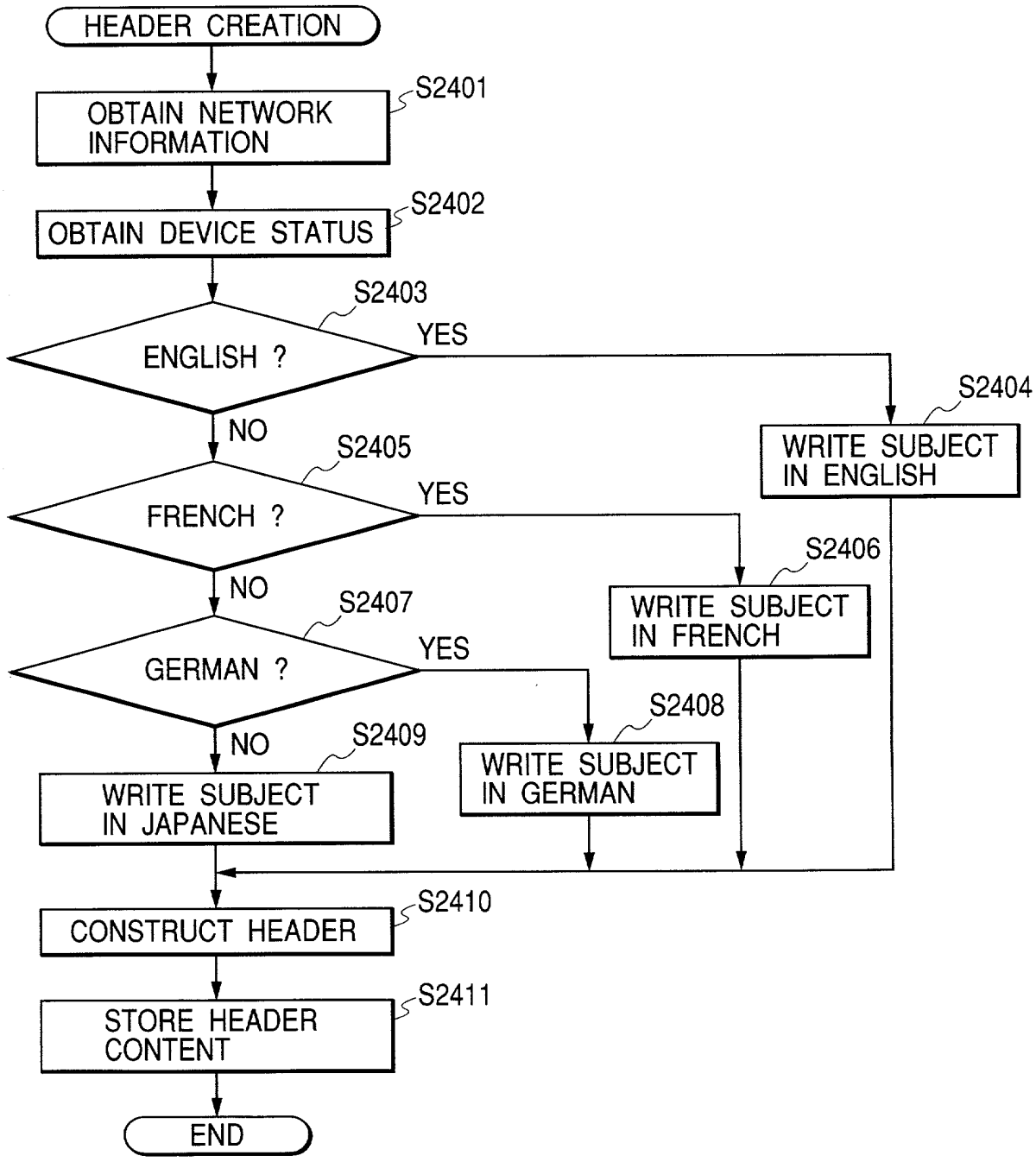
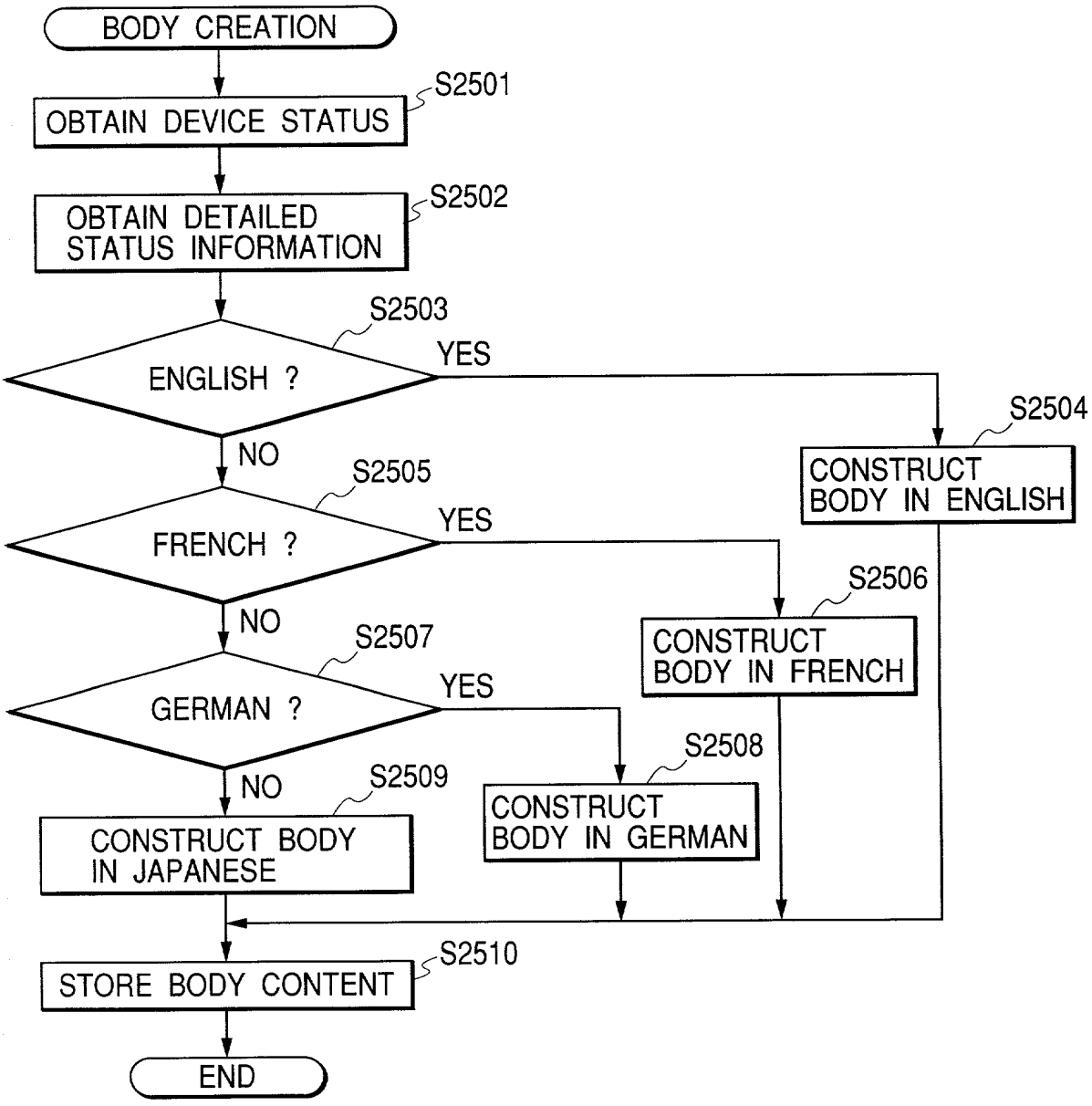

HEADER CREATION
OBTAIN NETWORK INFORMATION
S2401
OBTAIN DEVICE STATUS
S2402
ENGLISH ?
S2403
YES
NO
WRITE SUBJECT IN ENGLISH
S2404
FRENCH ?
S2405
YES
NO
WRITE SUBJECT IN FRENCH
S2406
GERMAN ?
S2407
YES
NO
WRITE SUBJECT IN GERMAN
S2408
WRITE SUBJECT IN JAPANESE
S2409
CONSTRUCT HEADER
S2410
STORE HEADER CONTENT
S2411
END

FIG. 25


BODY CREATION
S2501
OBTAIN DEVICE STATUS
S2502
OBTAIN DETAILED STATUS INFORMATION
S2503
ENGLISH ?
YES
S2504
CONSTRUCT BODY IN ENGLISH
NO
S2505
FRENCH ?
YES
S2506
CONSTRUCT BODY IN FRENCH
NO
S2507
GERMAN ?
YES
S2508
CONSTRUCT BODY IN GERMAN
NO
S2509
CONSTRUCT BODY IN JAPANESE
S2510
STORE BODY CONTENT
END

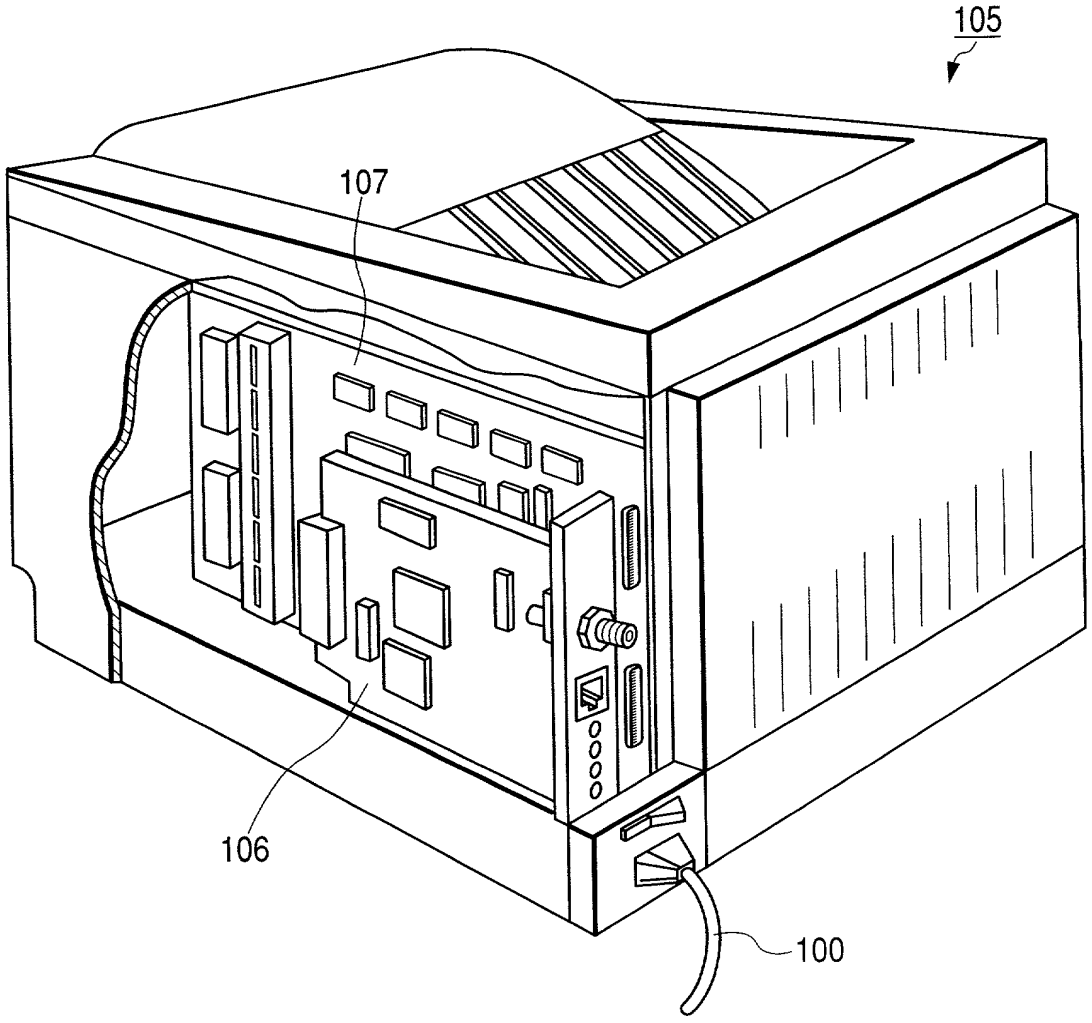



FIG. 26